



MED

Power Board

MED Power Board

June 26, 2019, 9:30 am - 11:30 am

City Council Chambers

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MINUTES

MED

Power Board

MED Power Board

Wednesday, June 26, 2019, 9:30 am - 11:30 am

City Council Chambers

- A. Call To Order
- B. Regular Business
 - 1. Minutes
- C. Informational
 - 1. Financials
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 - 1. MED SCADA Network Redesign
 - 2. Groves Electrical Services - Electric Transmission, Distribution & Fiber Optic Facilities Maintenance & Construction - Contract Extension
- F. Other
 - 1. Next Power Board Meeting will be July 24, 2019

REGULAR MEETING OF THE BOARD OF MURFREESBORO ELECTRIC DEPARTMENT

May 29, 2019

The Board of Murfreesboro Electric Department (MED) met in regular session at 9:30 a.m., Wednesday, May 29, 2019, in the City Council Chambers at 111 West Vine Street, Murfreesboro, Tennessee.

Members Present: Rick Hardesty, Chair
Richard Stone
Irene Pitts-McDonald
Ross Bradley
Rick LaLance

Also, present were P.D. Mynatt, General Manager; Lori Williams, Secretary-Treasurer; David Ives, Assistant City Attorney, and Darren Gore, Utilities Director.

Other MED staff members present were Philip Lim, Gena Dix, Daphnea Anderson, John Florida, and Chris Barns. Also, present was Ronnie Martin.

Mr. Hardesty called the meeting to order.

Mr. LaLance made a MOTION to approve the minutes of the regular meeting held April 24, 2019. Ms. Pitts-McDonald SECONDED the motion. The motion was UNANIMOUSLY APPROVED with Mr. Ross abstaining.

Ms. Williams presented information on April 2019-2018 financial reports. A list of April 2019 disbursements totaling \$17,774,821.43 and a list of uncollectible accounts for April 2019 in the amount of \$13,196.21 were presented for review. Additional information showing uncollectable accounts and payments on uncollectable accounts for fiscal year 2019 was presented.

Ms. Williams reported an amendment to the budget for replacement of the oil breakers at Church Street substation. The oil breakers will be replaced with vacuum breakers for a total cost of \$325,000. This cost will be considered as part of the Contingency Fund included in the budget for FY2020.

In Safety and Loss Control Activities, Mr. Mynatt reported there have not been any additional safety and loss accidents since the last meeting.

Mr. Mynatt reported April 2019 material purchases under \$25,000 of \$250,250.27, purchases between \$25,000 and \$50,000 of \$82,690.61, and transformers purchased under the TVA contract of \$117,245.00.

Mr. Mynatt also reported the June 2019 total monthly fuel cost will be 1.747 cents per kilowatt-hour for standard service customers, 1.622 cents per kilowatt-hour for large manufacturing customers, and 1.608 cents per kilowatt-hour for large general service customers. The overall system average fuel rate for June is approximately 8% lower than the three-year average June FCA primarily due to higher expectations for hydro generation and lower gas rates.

In the General Manager's Report, Mr. Mynatt reported that MED has completed the LED lighting replacement project on Medical Center Parkway between Memorial and Thompson Lane.

Mr. Mynatt reported that Earth Day Celebration will be held on Saturday, April 27th. A big thank you to Mr. Hardesty and Lewis Brothers Bakery for the donation of hot dog buns.

Mr. Mynatt reported that MED had participated in the Murfreesboro City Schools Careers on Wheels. Alex Weaver and Renita Haley did a great job once again this year.

Mr. Mynatt reported that Brian Sharp discussed ways to be save around electricity in the recent video and blog on MED's Facebook page.

Mr. Mynatt reported that there will be a planned outage at Lynch Substation on June 4th. The outage is requested by TVA to repair a 161 KV switch. There should be no customers affected by this outage.

Mr. Mynatt reported that the TVPPA Lineman Rodeo will be June 21-22 in Lenoir City.

Mr. Mynatt reported that two of Groves Construction crews left Sunday to help with the damages from the tornadoes in Oklahoma.

Mr. Mynatt reported that the construction crews have started working 10-hour days on Monday-Friday with 8-hour days on Friday.

Ms. Dix reported that Camden Edmonds and Justin West have been promoted to Groundman 2nd six months. She also reported that three positions

have been filled since the last board meeting. Marti Garber replaced Norma Autry as a Customer Service Representative. Lance Jones replaced Alan Ayers as the Night Shift Serviceman/Lineman. And, Isaac Brunner has been hired as an Engineering Summer Intern. Additionally, Ms. Dix reported that Marc Peek, Operations Engineer Manager, has resigned and his last day will be June 4, 2019.

Mr. Lim presented the list of City Projects. There were no new projects added this month.

On the Fiber Committee, Mr. Barns reported that the installation of fiber to the City's facilities is progressing. Groves' crews recently pulled the wire for two of the longer feeds.

Ms. Williams presented a recommendation to approve payment to the City for \$53,547.20 for MED's portion of the purchase of CityWorks software from True North. The software will give contactors and residents access to permits and inspections through a public-facing web interface. Mr. Bradley made a MOTION to approve payment of \$53,547.20 paid to the City for CityWorks software. Mr. LaLance SECONDED the motion. The motion was UNANIMOUSLY APPROVED.

In Other Business, Mr. Stone shared with the Board that he recently attended the TVPPA conference in Ashville, North Carolina. Attending the conference reinforced how luck we are to live in a community that is thriving. He also shared the new TVA chairman discussed the financial challenges facing TVA and the uncertainty of a TVA rate increase and the affect the rate increase would have on communities that are declining in electric sales. Mr. Stone also discussed the possibility of Memphis Light, Gas, and Water possibility giving notice to TVA that they would not renew their contract with TVA.

Mr. Stone made a MOTION to adjourn the meeting. Mr. Bradley SECONDED the motion. The motion was UNANIMOUSLY APPROVED.

Secretary-Treasurer

Chair

Approved_____

**MURFREESBORO ELECTRIC DEPARTMENT
COMPARATIVE BALANCE SHEET**

ASSETS AND OTHER DEBITS	MAY	MAY	Increase/(Decrease)	
	2019	2018	Amount	Percent

UTILITY PLANT

Electric Plant	226,205,061	218,333,332	7,871,729	3.61%
Less Depreciation	69,278,058	67,371,800	1,906,258	2.83%
Total	156,927,003	150,961,532	5,965,471	3.95%
Unamortized Acquisition Adj.	896,141	1,153,605	(257,464)	-22.32%
Total Plant - net	157,823,144	152,115,137	5,708,007	3.75%

OTHER PROPERTY & INVESTMENTS

Sinking Funds	396,507	32	396,475	1238984.38%
Other Special Funds	678,821	677,465	1,356	0.20%
Total	1,075,328	677,497	397,831	58.72%

CURRENT AND ACCRUED ASSETS

Cash & Temporary Cash Investments	46,358,468	59,363,327	(13,004,859)	-21.91%
Accounts Receivable	11,791,676	12,040,580	(248,904)	-2.07%
Materials and Supplies	2,317,920	2,335,883	(17,963)	-0.77%
Prepayments	1,024,418	961,624	62,794	6.53%
Other Current Assets	4,428,897	3,391,461	1,037,436	30.59%
Total	65,921,379	78,092,875	(12,171,496)	-15.59%

DEFERRED DEBITS

Debt Expense	0	0	0	0.00%
Clearing Accounts	150,447	51,695	98,752	191.03%
Receivables-Conservation Loans	1,818,768	1,936,409	(117,641)	-6.08%
Other Deferred Debits	1,725,500	2,041,655	(316,155)	-15.49%
Total	3,694,715	4,029,759	(335,044)	-8.31%

TOTAL ASSETS & OTHER DEBITS	228,514,566	234,915,268	(6,400,702)	-2.72%
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LIABILITIES AND OTHER CREDITS

EARNINGS REINVESTED IN SYSTEM	MAY	MAY	Increase/(Decrease)	
	2019	2018	Amount	Percent
Beginning of Year	183,477,539	180,033,660	3,443,879	1.91%
Current Year to Date	7,519,461	8,079,930	(560,469)	-6.94%
Total	190,997,000	188,113,590	2,883,410	1.53%

LONG -TERM DEBT

Bonds and Other Long -Term Debt	4,167,000	5,282,000	(1,115,000)	-21.11%
Debt Premium and Discount	24,000	36,000	(12,000)	-33.33%
Total	4,191,000	5,318,000	(1,127,000)	-21.19%

OTHER NON-CURRENT LIABILITIES

Post Retirement Benefits	9,674,052	2,325,200	7,348,852	316.05%
Conservation Loans - TVA	1,871,923	1,998,355	(126,432)	-6.33%
Total	11,545,975	4,323,555	7,222,420	167.05%

CURRENT & ACCRUED LIABILITIES

Accounts Payable	7,337,359	21,542,609	(14,205,250)	-65.94%
Customer Deposits	10,175,262	9,864,435	310,827	3.15%
Interest Accrued	0	0	0	0.00%
Other Current Liabilities	2,014,547	2,280,138	(265,591)	-11.65%
Total	19,527,168	33,687,182	(14,160,014)	-42.03%

OTHER DEFERRED CREDITS	2,253,423	3,472,941	(1,219,518)	-35.11%
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TOTAL LIABILITIES & OTHER CREDITS	228,514,566	234,915,268	(6,400,702)	-2.72%
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**MURFREESBORO ELECTRIC DEPARTMENT
COMPARATIVE REVENUE AND EXPENSE STATEMENT**

	MAY	MAY	Increase(Decrease)		FYTD	FYTD	Increase(Decrease)	
	2019	2018	Amount	Percent	2019	2018	Amount	Percent
OPERATING REVENUE								
Electric Sales Revenue	14,719,979	14,330,325	389,654	2.72%	158,042,754	153,224,234	4,818,520	3.14%
Revenue from Late Payments	69,866	70,449	(583)	-0.83%	982,529	1,051,814	(69,285)	-6.59%
Misc. Service Revenue	173,330	163,085	10,245	6.28%	1,796,675	1,700,003	96,672	5.69%
Rent from Electric Property	72,289	71,336	953	1.34%	799,725	787,197	12,528	1.59%
Other Electric Revenue	0	0	0	0.00%	0	0	0	0.00%
Total Operating Revenue	15,035,464	14,635,195	400,269	2.73%	161,621,683	156,763,248	4,858,435	3.10%
PURCHASED POWER								
	11,744,420	11,764,385	(19,965)	-0.17%	131,040,009	127,003,340	4,036,669	3.18%
OPERATING EXPENSE								
Distribution Expense	258,619	240,189	18,430	7.67%	2,444,686	2,401,294	43,392	1.81%
Customer Accounts Expense	137,939	144,185	(6,246)	-4.33%	1,918,765	1,960,001	(41,236)	-2.10%
Customer Service & Info. Expense	14,400	11,850	2,550	21.52%	175,111	117,496	57,615	49.04%
Sales Expense	16,995	14,355	2,640	18.39%	263,542	248,762	14,780	5.94%
Administrative & General Expense	406,306	397,905	8,401	2.11%	4,952,903	3,772,562	1,180,341	31.29%
Total Operating Expense	834,259	808,484	25,775	3.19%	9,755,007	8,500,115	1,254,892	14.76%
MAINTENANCE EXPENSE								
Distribution Expense	220,540	154,793	65,747	42.47%	2,135,591	1,898,484	237,107	12.49%
Administrative & General Expense	4,644	3,410	1,234	36.19%	316,522	286,734	29,788	10.39%
Total Maintenance Expense	225,184	158,203	66,981	42.34%	2,452,113	2,185,218	266,895	12.21%
OTHER OPERATING EXPENSE								
Depreciation Expense	671,943	619,825	52,118	8.41%	7,237,599	6,688,421	549,178	8.21%
Amortization of Acquisition Adj.	16,503	16,085	418	2.60%	206,039	176,935	29,104	16.45%
Taxes and Tax Equivalents	339,488	378,096	(38,608)	-10.21%	3,975,837	4,100,788	(124,951)	-3.05%
Total Other Operating Expense	1,027,934	1,014,006	13,928	1.37%	11,419,475	10,966,144	453,331	4.13%
TOTAL OPER EXP & PURCH PWR	13,831,797	13,745,078	86,719	0.63%	154,666,604	148,654,817	6,011,787	4.04%
INCOME								
Operating Income	1,203,667	890,117	313,550	35.23%	6,955,079	8,108,431	(1,153,352)	-14.22%
Other Income	105,646	9,924	95,722	964.55%	703,987	114,531	589,456	514.67%
Total Income	1,309,313	900,041	409,272	45.47%	7,659,066	8,222,962	(563,896)	-6.86%
Miscellaneous Income Deductions	0	10,028	(10,028)	0.00%	30,699	26,098	4,601	17.63%
Net Income Before Debt Exp	1,309,313	890,013	419,300	47.11%	7,628,367	8,196,864	(568,497)	-6.94%
DEBT EXPENSE								
Interest on Long Term Debt	10,297	12,137	(1,840)	-15.16%	112,742	120,803	(8,061)	-6.67%
Other Interest Expense	47	45	2	4.44%	510	477	33	6.92%
Amortization of Debt Discount & Exp.	605	605	0	0.00%	6,654	6,654	0	0.00%
Amortization of Premium on Debt.	(1,000)	(1,000)	0	0.00%	(11,000)	(11,000)	0	0.00%
Total Debt Expense	9,949	11,787	(1,838)	-15.59%	108,906	116,934	(8,028)	-6.87%
NET INCOME	1,299,364	878,226	421,138	47.95%	7,519,461	8,079,930	(560,469)	-6.94%

MURFREESBORO ELECTRIC DEPARTMENT

STATISTICAL DATA

	MAY 2019	MAY 2018	INCREASE (DECREASE) AMOUNT PERCENT	
KWH PURCHASED	158,133,915	158,280,988	(147,073)	-0.09%
KWH SOLD/USED	153,827,096	154,158,112	(331,016)	-0.21%
COST PER KWH PURCHASED (CENTS)	7.43	7.44	-0.01	-0.13%

	FYTD 2019	FYTD 2018	INCREASE (DECREASE) AMOUNT PERCENT	
KWH PURCHASED	1,702,398,390	1,672,402,019	29,996,371	1.79%
KWH SOLD/USED	1,657,616,715	1,615,402,518	42,214,197	2.61%
COST PER KWH PURCHASED (CENTS)	7.70	7.59	0.11	1.45%

CUSTOMER DATA

	MAY 2019	MAY 2018	INCREASE (DECREASE) AMOUNT PERCENT	
RESIDENTIAL	59,010	56,561	2,449	4.33%
LESS THAN 50 KW	6,372	6,222	150	2.41%
GREATER THAN 50 KW	1,020	1,035	(15)	-1.45%
STREET AND ATHLETIC	152	142	10	7.04%
TOTAL CUSTOMERS	66,554	63,960	2,594	4.06%

FINANCIAL RATIOS

	MAY 2019	MAY 2018
CURRENT RATIO	3.38	2.32
ACID TEST	2.98	2.12
DEBT TO EQUITY RATIO	0.027	0.035

	MAY 2019	MAY 2018	FYTD 2019	FYTD 2018
OPERATING RATIO	85.16%	86.99%	88.64%	87.83%
NET INCOME(CENTS) / \$ OF REVENUE	8.65	6.00	4.66	5.16

DISBURSEMENTS & ACH TRANSFERS
MAY 2019

VENDOR	DATE	AMOUNT	DESCRIPTION
MED - Payroll	5/3/2019	\$195,350.29	Employee Direct Deposit
MED - Payroll	5/3/2019	\$515.70	Transfer Funds to Flexible Reimbursement Account
MED - Deposit Refund Account	5/6/2019	\$16,065.98	Transfer Funds
MED - Deposit Refund Account	5/9/2019	\$18,595.18	Transfer Funds
MED - Sinking Fund	5/9/2019	\$33,008.33	Transfer Funds
MED - Deposit Refund Account	5/14/2019	\$14,444.27	Transfer Funds
MED - Payroll	5/17/2019	\$196,084.49	Employee Direct Deposit
MED - Payroll	5/17/2019	\$515.70	Transfer Funds to Flexible Reimbursement Account
MED - Deposit Refund Account	5/20/2019	\$28,206.72	Transfer Funds
MED - Deposit Refund Account	5/21/2019	\$16,536.08	Transfer Funds
MED - Deposit Refund Account	5/29/2019	\$20,370.54	Transfer Funds
MED - Payroll	5/31/2019	\$205,664.57	Employee Direct Deposit
MED - Payroll	5/31/2019	\$515.70	Transfer Funds to Flexible Reimbursement Account
Check Register		\$13,130,840.81	
Total		\$13,876,714.36	

**Bad Debt Analysis
For Fiscal Year 2019**

	Uncollectable Accounts	Payments Collected	Net Expense
July 2018	9,642.25	(6,285.33)	3,356.92
Aug 2018	16,181.95	(5,739.89)	10,442.06
Sept 2018	15,504.07	(6,018.02)	9,486.05
Oct 2018	24,686.95	(5,184.40)	19,502.55
Nov 2018	23,954.00	(5,282.84)	18,671.16
Dec 2018	23,203.37	(5,158.88)	18,044.49
Jan 2019	12,289.20	(5,695.72)	6,593.48
Feb 2019	9,546.23	(6,276.51)	3,269.72
March 2019	15,481.17	(8,408.83)	7,072.34
April 2019	13,196.21	(8,737.71)	4,458.50
May 2019	14,034.84	(5,420.94)	8,613.90
June 2019			
Totals	\$177,720.24	(\$68,209.07)	\$109,511.17

	Sales	Bad Debt to Sales
July 2018	17,223,921.50	0.0195%
Aug 2018	17,858,235.50	0.0585%
Sept 2018	14,158,535.13	0.0670%
Oct 2018	13,433,883.90	0.1452%
Nov 2018	13,207,095.41	0.1414%
Dec 2018	14,091,028.85	0.1281%
Jan 2019	15,469,241.07	0.0426%
Feb 2019	12,683,961.49	0.0258%
March 2019	13,412,015.96	0.0527%
April 2019	11,784,855.88	0.0378%
May 2019	14,719,978.99	0.0585%
June 2019		
Totals	\$158,042,753.68	0.0693%



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MEMORANDUM

TO: MED Power Board
FROM: Diane Simpkins, Director of Purchasing
DATE: Tuesday June 18, 2019
RE: Material Purchases

PURCHASES UNDER \$25,000: \$ 178,955.52

PURCHASES BETWEEN \$25,000 - \$50,000:

PURCHASE ORDER #	VENDOR	ITEM	QUANTITY		AMOUNT
23329	Irby	4/0 conc. Cable	12,686'	\$	32,082.89
23328	Irby	1/0 conc. Cable	15,000'	\$	31,920.00
23308	Aclara	Aclara server load maint.	1	\$	28,000.00
23301	Irby	1/0 conc. Cable	15,898'	\$	33,830.94
					<u>\$ 125,833.83</u>

TRANSFORMER PURCHASES FROM BLANKET:

PURCHASE ORDER #	VENDOR	ITEM	QUANTITY		AMOUNT
23320	Border States	75 kva 3 ph pad mount	10	\$	17,290.00
		50 kva 1 ph pad mount	10	\$	14,320.00
23310	Border States	50 kva 1 ph pad mount	10	\$	14,320.00
		Grand Total			<u>\$ 45,930.00</u>
		GRAND TOTAL			<u>\$ 350,719.35</u>

NO ITEMS FOR BORAD APPROVAL THIS MONTH.

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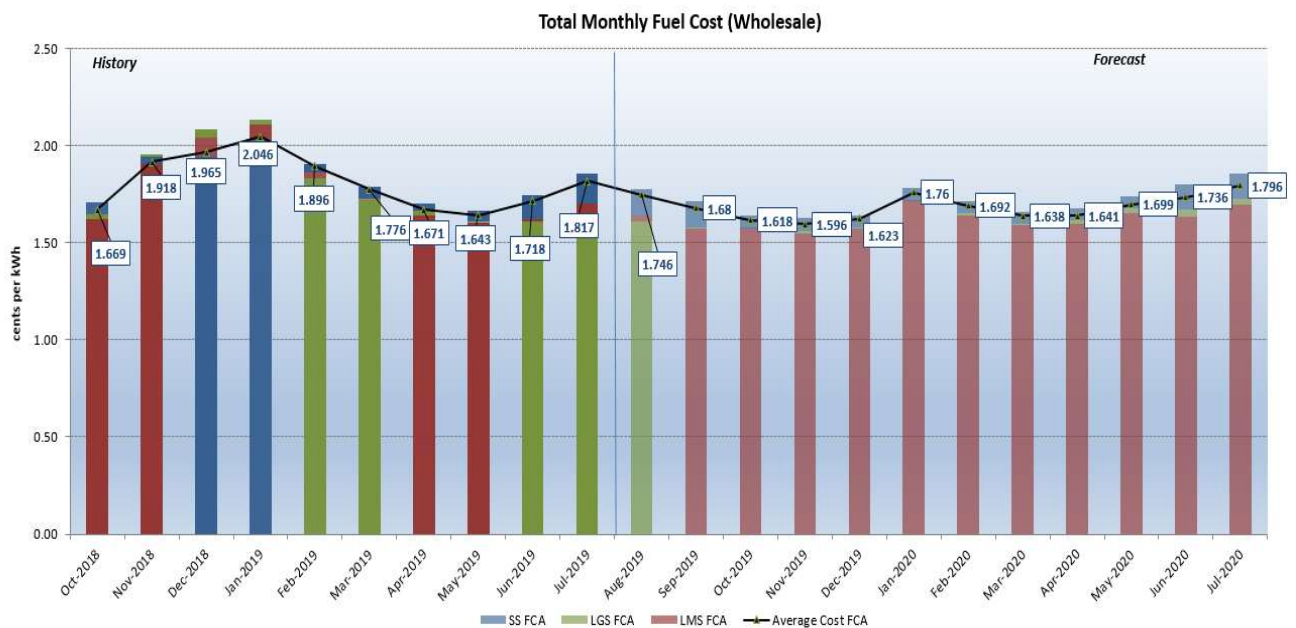
Total Monthly Fuel Cost Communication – July 2019

Total Monthly Fuel Cost – July 2019

The total monthly fuel cost will be 1.854 cents per kWh for Standard Service customers, 1.702 cents per kWh for Large Manufacturing customers, and 1.606 cents per kWh for Large General Service customers.

The overall system average fuel rate for July is approximately 12% lower than the three-year average July FCA. This is primarily due to higher expectations for hydro generation.

Total Monthly Fuel Cost Forecast: July 2019 to July 2020



	Oct-2018	Nov-2018	Dec-2018	Jan-2019	Feb-2019	Mar-2019	Apr-2019	May-2019	Jun-2019	Jul-2019	Aug-2019	Sep-2019	Oct-2019	Nov-2019	Dec-2019	Jan-2020	Feb-2020	Mar-2020	Apr-2020	May-2020	Jun-2020	Jul-2020
LMS FCA	1.622	1.907	2.042	2.11	1.863	1.73	1.643	1.602	1.622	1.702	1.639	1.576	1.571	1.55	1.575	1.712	1.643	1.590	1.595	1.653	1.635	1.695
LGS FCA	1.646	1.943	2.083	2.136	1.835	1.719	1.665	1.61	1.608	1.606	1.611	1.578	1.574	1.563	1.578	1.718	1.651	1.597	1.618	1.676	1.671	1.730
SS FCA	1.684	1.92	1.944	2.028	1.909	1.791	1.68	1.658	1.747	1.854	1.778	1.71	1.636	1.613	1.638	1.775	1.708	1.653	1.657	1.715	1.765	1.824

The monthly fuel cost forecast represents current expectations and operational conditions and is subject to change at any time. Actual fuel cost amounts in future months are subject to considerable risks and could vary widely from the current forecast.



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June 26, 2019

Members of the Power Board:

- I. The following items have been prepared for your **INFORMATION**.

POSITIONS FILLED SINCE LAST BOARD MEETING:

TITLE	NEW/REPLACE	FILLED BY
Day Shift Serviceman/Lineman	Replace Lance Jones	promoted Brandon Allen 6/10/19

(some positions on are hold, at this time, but we have permission to fill some.)

POSITIONS BUDGETED OR OPEN FOR FY 2019:

TITLE	NEW/REPLACE	STATUS
Accountant	New – carryover budget	on hold
Accounting Summer College Intern	New	hired Kayla Reed p/t summer 5.8.18
Accounting Specialist	Replace Matt Hartquist 9.9.18	transferred Lisa Knight from IT 11.27.18
Cashier	Replace Tara Lowe 2.28.18	hired Ja’Nora Nance 7.1.18
Customer Service Representative	Replace David Galland 1.10.18	on hold
CSR	Replace Norma Autry 5.22.19	promoted Marti Garber 5.20.19
Cashier	Replace Marti Garber 5.20.19	Using Temp Agency – Melissa Barco 5.30.19
Director of Safety	Replace Steve Elgin 7.6.18	promoted Brian Sharp 7.16.18
Dispatch Center Manager	New	on hold
Dispatcher (3)	New	winter 2019 – on hold
Electrical Engineer	Replace Jimmy Nguyen 7.19.18	2019–Offer extended to Autumn Ferree
Engineering Technician	New – carryover budget	posted – on hold
Engineering – College Interns (3)	New	hired one – Isaac Brunner 6.3.19
GIS Technician	New	posted – on hold
Groundman (2)	New	Justin West & Camden Edmonds 12.10.18
IT Systems Administrator	Replace Marc Peek in Oct.	posted – on hold
IT Technician	New	on hold
IT Tech Intern	Replace Peyton Ball 4.26.19	posted - OPEN
Operations Engineer	New	posted - on hold
Operations Engineer Manager*	Replace Daniel Bailey 7.27.18	promoted Marc Peek 10.1.18
Operations Engineer Manager	Replace Marc Peek 6.4.19	on hold
P/T HR Coordinator, College Intern	New	posted - OPEN
P/T Marketing Coordinator	New	hired Kellie Matthews 8.13.18
Systems Analyst	Replace Lisa Knight 11.26.18	posted – on hold
Night Shift Serviceman/Lineman	Replace Alan Ayers, 4.19.19	promoted Lance Jones 4.29.19
Day Shift Serviceman/Lineman	Replace Lance Jones 4.29.19	promoted Brandon Allen 6.10.19

POSITIONS CHANGED YTD:

TITLE	STATUS/REASON
Assistant Safety Director	Eliminated when Asst. promoted to Director
Substation Electrician	Eliminated position upon retirement
Assistant Operations Director	*Changed title to Operations Engineer Manager to be more consistent
Dispatch Center Manager	Added Manager level to build and train 24/7 Dispatch team
SCADA/AMI Operations Specialist	12/1/18 change from Level 8 to Level 9 due to skill level and demand

Respectfully presented,

Gena S. Dix

Gena S. Dix, Director of Human Resources



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www.MurfreesboroElectric.com

June 26, 2019

Members of the Power Board: INFORMATION

I. As items for your information, regarding the following employee compensation or position changes:

Compensation Changes this Month:

- Shannon DeBerry should be moving to the top-out 3rd Period (3rd Year) Serviceman at \$44.85 per hour on 7/25/19.
- Jason Jones should be moving to the top-out 4th Period (4th Year) Metering Specialist Working Foreman at \$40.71 per hour on 7/20/19.

Presented by:

A handwritten signature in black ink that reads "P.D. Mynatt".

P.D. Mynatt
General Manager

A handwritten signature in black ink that reads "Gena S. Dix".

Gena S. Dix
Director of Human Resources

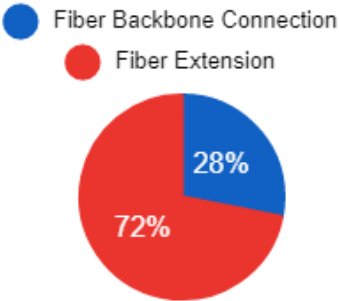
City Projects - 6/18/2019

Primary	Street	Amount of Aid to Construction	Status	Status Notes	Additional Notes
Dejarnette Lane Airport Project	Dejarnette Ln.	\$276,100.00	MED Construction	500 Cu energized. Overhead line removed.	Aid to Construction Paid.
Jones Blvd	Ridgely Rd to W Northfield Blvd	Design Not Finalized.	Preliminary design.		Waiting on SEC Inc. for finalized roadway plans.
Kingdom Drive Bridge	Kingdom Dr.	No Aid to Construction	MED Construction	Complete.	Conduits & Vaults Installed.
Mcknight Park Maintenance Building	Memorial and Dejarnette	\$1,475.00	Design complete.	Waiting on aid to construction.	Single Phase
Northfield Blvd Phase 1	Northfield Blvd		Contractor construction.	Contractor installing primary conduits.	Design Finalized.
Old Fort Park Maintenance Building	Old Fort Park	\$1,600.00	Design complete.	Waiting on aid to construction.	As of right now single phase
Perlino Drive Bridge	Perlino Dr.	No Aid to Construction	MED Construction	MED pulling in primary conductor.	
Rucker Ln	Rucker Ln	No Aid to Construction	Design complete.		Waiting on road project to begin.
Airport Terminal	Airport Rd.	\$30,000.00	Contractor construction.	Old terminal demolished.	Energized Temporary Service
Medical Center Pkwy - LED Streetlights	Medical Center Pkwy	No Aid to Construction	MED Construction	Installed from Memorial Blvd. to N. Thompson Ln.	



\$126,275.47
Total Project Cost

31
Active Projects



18
Under Construction

0
Project Complete


Construction Report

Completed Report

Fiber Summary - Fiber Projects (Construction)

	Primary	Street Address	Project Type	MED WO#	MED WO# Project Cost	MED Status	Notes - Board
1	Cannonsburgh Village	312 S Front St	Fiber Backbone Connection	118675	\$10,067.80	Under construction.	Fiber installed inside building.
2	City Hall	111 W Vine St	Fiber Extension	118767	\$23,175.48	Under construction.	Fiber installed outside building.
3	City Training	W Main St	Fiber Extension	119447	n/a	Under construction.	Part of Street Department extension.
4	Fire Administration	NW Broad St	Fiber Extension	118767	n/a	Under construction.	Part of City Hall extension.
5	Fire Station 10	2563 Veterans Pkwy	Fiber Backbone Connection	118683	\$6,069.40	Under construction.	Fiber installed outside building.
6	Fire Station 2	2880 Runnymede Dr	Fiber Backbone Connection	118832	\$5,814.23	Under construction.	Fiber installed outside building.
7	Fire Station 3	1511 Mercury Blvd	Fiber Extension	120122	\$0.00	Design complete to demarcation.	
8	Fire Station 8	1730 E Northfield Blvd	Fiber Backbone Connection	118838	\$0.00	Design complete to demarcation.	
9	Fire Station 9	802 Cason Ln	Fiber Backbone Connection	118795	\$3,191.88	Under construction.	Fiber installed outside building.
10	McFadden Community Center	211 Bridge Ave	Fiber Extension	119445	\$20,357.63	Under construction.	Fiber installed outside building.
11	MWRD Administration	NW Broad St	Fiber Extension	118767	n/a	Under construction.	Part of City Hall extension.
12	MWRD Engineering Annex	NW Broad St	Fiber Extension	118767	n/a	Under construction.	Part of City Hall extension.
13	MWRD Mill St Water Tower	405 Mill St	Fiber Extension	119351	\$13,440.25	Under construction.	Fiber installed outside building.
14	MWRD Operations & Maintenance	1725 S Church St	Fiber Extension	119277	\$6,040.38	Under construction.	Fiber installed outside building.
15	MWRD Stoney Meadow Water Tower	2003 Stoney Meadow Dr	Fiber Extension	118799	\$13,151.74	Under construction.	Fiber installed outside building.
16	MWRD Water Plant	5528 Sam Jared Dr	Fiber Extension	118791	\$690.64	Under construction.	Fiber installed outside building.
17	Patterson Park	521 Mercury Blvd	Fiber Extension	118852	\$0.00	Design complete to demarcation.	
18	Police Headquarters - Greenland Drive Extension	Greenland Drive	Fiber Extension	118751	\$6,868.88	Under construction.	Project complete.
19	Police Precinct	520 E Castle St	Fiber Extension	118818	\$0.00	Design complete to demarcation.	
20	Police Special Operations Unit	906 Industrial Drive	Fiber Backbone Connection	119360	\$5,709.51	Under construction.	Fiber installed inside building.
21	Street Department	620 W Main St	Fiber Extension	119447	\$10,812.41	Under construction.	Fiber installed outside building.
22	West Tower Site	Blaze Drive	Fiber Backbone Connection	118839	\$885.24	Under construction.	Fiber installed to driveway.

CONSENT AGENDA

June 19, 2019

Members of the Power Board:

As an item for consideration, it is recommended that the Power Board approve the following item:

MED SCADA NETWORK REDESIGN

Background

This project addresses the top two critical issues from LBMC's recent security risk analysis – SCADA network security & SCADA accessibility. Building on configurations and designs from two previous phases, it creates a new SCADA network that removes administrative dependencies on the legacy multiplexers, builds a redundant fiber path across the ring, and isolates the SCADA network into switch-based routed boundaries for each RTU. It includes the following:

- SCADA Network Redesign
- SCADA eMux Replacement and Redesign
- Router Replacement

Project features:

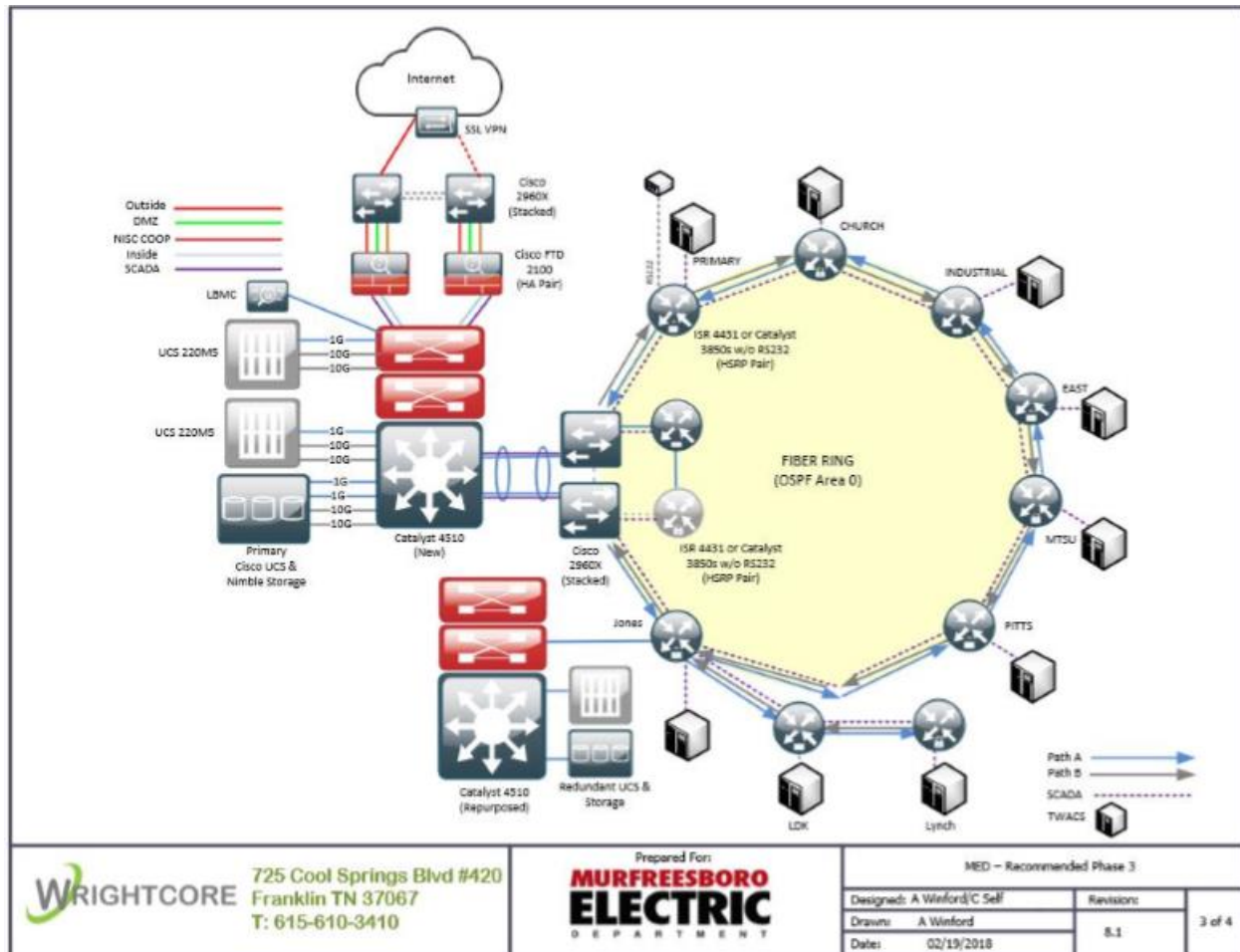
- Removal of the eMux hardware and installing of new Cisco switches.
- Development of a new switch-based routed network for each RTU and dynamic routing to provide faster convergence.
- A new network scheme for the SCADA network.
- Improved connectivity to the corporate network via remote access for ACS support personnel.
- Redundant fiber path for SCADA ring.

Fiscal Impact

The quote for this project is \$98,946 which includes \$12,000 for services. The bulk of the cost is for new switches & related hardware at fourteen substations. In the interest of reducing cost, switches will be used rather than routers & logical rather than physical networks configured.

Recommendation

The Power Board is recommended to approve funds to complete this project to deliver a supportable SCADA infrastructure to enhance security & performance while adding essential network capacity needed for NERC SIP compliance.



Respectfully,

John Florida
 Director of Information Technology



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Background – In July 2015, MED Board approved the award of the Electric Transmission, Distribution, and Fiber Optic Facilities Maintenance and Construction contract to William E. Groves Construction, Inc. for an evaluated five-year contract agreement. The contract called for an initial three-year with the option of two one-year extension.

Purpose – The initial three-year contract agreement ended on August 17, 2018. In July 2018, our Board approved to extend the contract for the first extension entering the 4th year in the contract. It is time to extend the contract for the final and 5th year extension. Groves Construction has been a very vital part of our construction and maintenance activities with our massive growth in the great City of Murfreesboro. The renewal of this contract is important to help MED handles all the construction and maintenance activities. This will ensure MED's ability to continue to provide reliable and cost-effective electrical power to our customers.

Fiscal Impact - The renewal of this contract for the fifth year will have a three percent labor increase with no increase on the cost for equipment per the contract agreement. The increase in cost is projected in the fiscal year budget (2020).

Recommendation – MED's staff recommends board approval to renew the final extension of the contract agreement with the three percent labor increase.

Submitted by: _____


Jackie Whitaker, Director of Operations

Reviewed and approved for Board's package by: _____


P.D. Mynatt, General Manager



— ELECTRICAL SERVICES —

June 19, 2019

P.D. Mynatt
General Manager
Murfreesboro Electric Dept.
205 North Walnut Street
Murfreesboro, Tn. 37130

RE: Electric Transmission, Distribution & Fiber Optic Facilities Maintenance & Construction – Contract Extension

Dear Mr. Mynatt,

William E. Groves Construction, Inc. respectfully request the following:

1. In accordance with Document 0050, Article 4, Item C a fifth (5th) year extension to the current contract beginning on August 17, 2019 and continuing until August 17, 2020.
2. A three (3%) percent increase in the hourly labor rates be applied starting August 17, 2019 and continuing until August 17, 2020. All hourly equipment rates for year five (5) will remain the same with no increase.

Upon reviewing Article 5 – Basis of Proposal it is clear an honest oversight occurred on the part of William E. Groves Construction Company, Inc. The intent, at the time of the bid submissions and today, is for a three (3%) percent increase beginning year five (5) of the contract.

The language in Article 5 contained:

Hourly Labor Percentage increase from Year 3:

for Year 4 3% (if applicable – at MED option)

for Year 5 3% (if applicable – at MED option)

Resulting in a net zero (0%) percent increase based on the language “from Year 3”.

We respectfully submit our contract extension and adjustment for your consideration.

Thank you,

John Mark Morris
Vice President of Operations
William E. Groves Construction, Inc.



GROVES

— ELECTRICAL SERVICES —

MURFREESBORO ELECTRIC DEPARTMENT 2019

LABOR RATES

General Foreman / Superintendent / Team Leader	\$59.29
Foreman / Crew Leader	\$52.89
Journeyman Lineman / Lineman A	\$49.53
Lineman / Lineman B / Lineman App	\$44.17
Equipment Operator	\$40.20
Groundman/ Laborer	\$40.20
Low Voltage / Lighting Technician	\$40.20
Low Voltage / Lighting Technician Helper / Driver	\$40.20

EQUIPMENT RATES

Pick-up Truck	\$6.17
Service Truck 1 Ton	\$8.92
Digger Derrick up to 50'	\$27.12
40' to 54' Bucket Truck	\$23.37
55' to 66' Bucket Truck	\$28.32
67' to 94' Bucket Truck	\$122.32
95' to 105" Bucket Truck	\$122.32
40' to 55' Hybrid Bucket Truck / Service Truck	\$28.32
Pressure Digger	\$51.77
Rock Truck	\$347.32
Single Axle Pole Trailer	\$3.00
Wire Trailer	\$2.50
Wire Puller	\$10.00
Wire Tensioner	\$6.00
Rear Lot Constr. Equip.(Backyard Machine)	\$38.00
Low Voltage Technician Service / Bucket Truck	\$23.37
Air Compressor	\$11.40
Lowboy and Tractor	\$58.02
Go Trak	\$81.08
Track Bucket	\$119.64
30 Ton Crane	\$235.00
14" Trailer	\$10.90